Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/21/2022 08:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124634	-1	1.52	124596	1.56
Blue	F	SSC	125000	124828	-1	3.04	125361	3.03
Blue	E	FITC	13602	13118	-4	2.33	367	13.27
Blue	D	PE	24891	24370	-3	1.73	581	10.22
Blue	B	PerCP-Cy5-5	33972	33295	-2	3.01	951	14.49
Blue	A	PE-Cy7	22865	22796	-1	4.90	477	29.30
Red	C	APC	47198	47021	-1	2.52	1623	11.29
Red	A	APC-Cy7	26454	25587	-4	3.23	724	12.15
Violet	B	V450	6737	6435	-5	3.90	451	11.69
Violet	A	V500	29317	28258	-4	3.47	970	8.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24029	2.68	531	-4	N/A	N/A	Pass
Blue	F	SSC	56184	2.15	515	-6	N/A	N/A	Pass
Blue	E	FITC	54	54.62	482	-2	0.0453	103	Pass
Blue	D	PE	113	37.53	485	-1	0.4184	283	Pass
Blue	B	PerCP-Cy5-5	151	40.56	578	-1	0.0213	93	Pass
Blue	A	PE-Cy7	80	76.78	621	0	0.0242	3	Pass
Red	C	APC	339	25.95	572	0	0.0295	233	Pass
Red	A	APC-Cy7	134	34.73	548	-3	0.0067	1442	Pass
Violet	B	V450	76	47.27	444	-6	0.0522	2104	Pass
Violet	A	V500	113	30.52	464	-5	0.0263	817	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.67	-31.55	1.11
Blue	20.34	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	15.83	13.90 - 20.86	N/A	N/A	29.90	30.16	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 11461

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments